

**E C M**

**C E C M**

**ENGINEERING CHANGE MEMO**  
**COMPOSITE ENGINEERING CHANGE MEMO**

**M. Carter**  
**526-2266**

EXHIBIT "A"  
ECM/CECM PAGE ONE  
(Form E-4358-1)

BOEING MILITARY AIRPLANE COMPANY		PAGE 1 OF _____	
<b>ENGINEERING CHANGE MEMO/ COMPOSITE ENGINEERING CHANGE MEMO</b>			
PROGRAM ①	ECM <input type="checkbox"/> CECM <input type="checkbox"/> ⑤	ISSUE DATE ⑦	CHANGE NUMBER ③
CONTRACT NO. ②	TEMPORARY NUMBER ⑥	ORIG. _____ REV. LTR. _____	ECP JUSTIFICATION CODE _____ ④
TITLE: ⑨		CHANGE PRIORITY ⑧	
REASON FOR CHANGE: ⑩		EMERGENCY <input type="checkbox"/>	
CONSEQUENCES IF NOT INCORPORATED: ⑪		URGENT <input type="checkbox"/>	
BACKGROUND SUMMARY: ⑫		ROUTINE <input type="checkbox"/>	
SUMMARY OF CHANGE: ⑬			
REFERENCES & NOTES ⑭	APPROVALS ⑱		DATE
RECOMMENDED EFFECTIVITY: ⑮	CHANGE ORIGINATOR		
CHANGE MUST BE INCORPORATED PRIOR TO ⑯	CHANGE ENGINEER		
PROPOSAL SCHEDULE ⑰	ENGR OPS/CONFIG MGMT		
	PROPOSAL MANAGER		
	CHIEF ENGINEER:		
	PROGRAM MANAGER		

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EXHIBIT "B"  
ECM/CECM PAGE TWO  
(Form E-4358-2)

**BOEING**

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**ENGINEERING CHANGE MEMO**

CHANGE NO. \_\_\_\_\_

REV: \_\_\_\_\_

Page 2

**ITEMS AFFECTED**

PLACE AN "X" BESIDE EACH AFFECTED ITEM AND EXPLAIN ALL X'd ITEMS IN "HOW AFFECTED," PAGE 2a

**A. CONTRACTUAL DOCUMENTATION**

- \_\_\_ 1. Specifications (System, Dev, Product)
- \_\_\_ 2. ICD/IDD
- \_\_\_ 3. Associate Contractor/ICWG Plan
- \_\_\_ 4. Statement of Work
- \_\_\_ 5. CDRLs
- \_\_\_ 6. Special Provisions/Warranty
- \_\_\_ 7. GFP/GFE
- \_\_\_ 8. Delivery Schedules
- \_\_\_ 9. P/N, NSN, Serialization
- \_\_\_ 10. Nomenclature (DD-61)
- \_\_\_ 11. DD254
- \_\_\_ 12. Other

**B. PERFORMANCE ALLOCATION**

- \_\_\_ 1. Interchangeability/Replaceability
- \_\_\_ 2. Mass Properties
- \_\_\_ 3. Performance
- \_\_\_ 4. Producibility
- \_\_\_ 5. Transportability, Field
- \_\_\_ 6. Weight/CG
- \_\_\_ 7. Other

**C. EMPLOYMENT/EFFECTIVENESS**

- \_\_\_ 1. EMI/EMC
- \_\_\_ 2. Nuclear (EMP, SV, Hardening, Cert)
- \_\_\_ 3. Field Rework
- \_\_\_ 4. Life Cycle Cost
- \_\_\_ 5. Maintainability
- \_\_\_ 6. Reliability
- \_\_\_ 7. Safety/Fault Trees
- \_\_\_ 8. Service Life
- \_\_\_ 9. Standardization (Parts)
- \_\_\_ 10. Other

**D. INTEGRATED LOGISTICS SUPPORT**

- \_\_\_ 1. Technical Order V&V
- \_\_\_ 2. TCTO/Kit Proofing
- \_\_\_ 3. Spares & Repair Parts
- \_\_\_ 4. Technical Provisioning Document
- \_\_\_ 5. SE (Depot, Field, Inter)/CSEL/SERD
- \_\_\_ 6. Deployment/Activation Plans
- \_\_\_ 7. LSAR
- \_\_\_ 8. Training/Plan
- \_\_\_ 9. On-Site Representative Support
- \_\_\_ 10. ICS
- \_\_\_ 11. Calibration/Certification
- \_\_\_ 12. Installation & Checkout
- \_\_\_ 13. Misc Doc (TMPP, TOSS, TO CFAE)
- \_\_\_ 14. Other

**E. DEVELOPMENTAL REQUIREMENTS**

- \_\_\_ 1. Audits/Reviews (Supplier, EDR, PDR, CDR, FCA, PCA, FAI)
- \_\_\_ 2. Tests (Develop, Qual, GND, Fit)
- \_\_\_ 3. Test Labs (SILTF, CDL, Etc)
- \_\_\_ 4. Test Doc (Req, Plans, Procedures, Rpts)
- \_\_\_ 5. Test Schedule
- \_\_\_ 6. Mockup
- \_\_\_ 7. STE/Acquisition Request
- \_\_\_ 8. Instrumentation
- \_\_\_ 9. Hardware Requirements Doc (HRD)
- \_\_\_ 10. Other

**F. SOFTWARE**

- \_\_\_ 1. S/W Type (Operational, SE, STE, Instrument, Test)
- \_\_\_ 2. Firmware
- \_\_\_ 3. CPINs
- \_\_\_ 4. S/W Document (SIRD, M/S, Etc)
- \_\_\_ 5. BCS (CRU, Key punch, Sys Analyst)
- \_\_\_ 6. S/W Media Type
- \_\_\_ 7. S/W Tests (IMCT, SVT, Flight)
- \_\_\_ 8. Boeing S/W Standards
- \_\_\_ 9. Other

**G. MISCELLANEOUS**

- \_\_\_ 1. CAD Support/CAD-CAM Plan
- \_\_\_ 2. Capital Equipment/Facilities/Tooling
- \_\_\_ 3. Shipping Containers/Preserving & Pkg
- \_\_\_ 4. DITMCO
- \_\_\_ 5. Drawings (Trees, Schematics, Rqmts, Etc)
- \_\_\_ 6. Group A
- \_\_\_ 7. MDL/HAD
- \_\_\_ 8. ICWA IDWA
- \_\_\_ 9. Modification Center
- \_\_\_ 10. Other Cross Program Impact
- \_\_\_ 11. Alternate Solutions
- \_\_\_ 12. Production Planning
- \_\_\_ 13. Subcontractor, SDRL
- \_\_\_ 14. WBS
- \_\_\_ 15. Material Surplus/Scrap
- \_\_\_ 16. Other

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EXHIBIT "B"  
ECM/CECM PAGE TWO a  
(Form E-4358-2a)

ENGINEERING CHANGE MEMO		CHANGE NO.
HOW AFFECTED		REV: PAGE 2a
<p>(20)</p>		
ALTERNATE SOLUTIONS:		
<p>(21)</p>		
E4358-2a REV.		

EXHIBIT "C"  
ECM/CECM PAGE THREE  
(Form E-4358-3)

**BOEING** MILITARY AIRPLANE COMPANY

CHANGE NO. \_\_\_\_\_

**ENGINEERING CHANGE MEMO**

PAGE 3

DETAIL DESCRIPTION OF CHANGE BY WBS AND BY HARDWARE/SOFTWARE ITEM:

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EXHIBIT "D"  
ECM/CECM PAGE 4  
(Form E-4358-6)

**BOEING** MILITARY AIRPLANE COMPANY

CHANGE NO. \_\_\_\_\_

**ENGINEERING CHANGE MEMO**

PAGE 4

TASK DESCRIPTION BY WBS AND BY ORGANIZATION

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EXHIBIT "F"  
ECM/CECM, PAGE SIX  
(Form E-4358-5)

<b>BOEING</b> MILITARY AIRPLANE COMPANY		CHANGE NO. _____	
<b>ENGINEERING CHANGE MEMO</b>		PAGE 6	
<b>NEW MATERIAL REQUIREMENTS</b>			
YES <input type="checkbox"/>	NO <input type="checkbox"/>	PURCHASED PARTS (31)	
YES <input type="checkbox"/>	NO <input type="checkbox"/>	EXTRUSIONS	
YES <input type="checkbox"/>	NO <input type="checkbox"/>	FORGINGS/CASTINGS	
<b>NEW MATERIAL LIST</b>			
<u>TASK NO.</u>	<u>PART NUMBER</u>	<u>NOMENCLATURE</u>	<u>QTY/PER AIRCRAFT</u>
		(32)	